MEMORANDUM T	`0:		Su	ıbmittal Date:			
			Supersedes S	ubmittal Date:			
RPG ROAD DESIGN TEAM LEADER:							
RPG STRUCTURAL ENGINEER:							
From: Hydraulic Design Squad / Engineer							
Subject: Hydr	Hydrology Data for Culvert over						
County:	Rd/Rte:						
Const. Pin:							
Culvert Dimensions:	Span:		ft.	Rise:	ft.		
Extension:			ft.	Left:			
Estimated Length:							
No. of Barrels:		_	Material T	уре:			
Centerline Station:	Skew Angle:			0			
Inlet Invert Elev:		ft.	Outlet Invert E	lev.:	ft.		
Riprap Required (In Addition to Typical): Yes \Box No \Box							
Comments:							
Historic High Water Information: (Show highwater on plans)							
Elevation of High Wate	r:		ft. Discha	trge: (if available)	ft.		
Date of occurrence:			Source of data:				
					Dego 1 of 2		

1.5.6 Hydrology Data Sheet for Culverts (< 20' Opening)

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Design High Water Information: (Show high water elevations on plans)						
If 'Secondary Road' provide 25-yr high water elevation:	ft.					
If 'Primary Road' provide 50-yr high water elevation:	ft.					
For all roads provide 100-yr high water elevation:	ft.					
Hydrology Data for Tidal Culverts: (Only complete this sections if the culvert is tidally influenced) (show on plans)						
Mean Higher high tide elevation =	ft.					
	ft.					
	ft. (includes wave height)					
100-year stillwater height =						
500-year stillwater height =						
100-yr. tidalMaximum vel. within culvert=surge velocity:	500-yr. tidal fps surge velocity: fps					
Hydrology Data for Riverine Culverts: (Only complete this sections if the culvert is NOT tidally influenced) (show on plans)						
D.A. =	sq. mi. (or acres)					
Q _{Design} =	cfs					
Vel. _{Design} =	ft. / sec.					
Design Headwater Elevation =	ft.					
$Q_{100} =$	cfs					
$Vel_{100} =$	ft. / sec.					
100 Year Headwater Elev. =	ft.					
cc: Environmental Engineer						
Note: Probability may be determined by plotting the 2-, 10-, 25-, 50-, 100-, and 500-year discharges on Gumble paper and reading the probability corresponding to the overtopping discharge. For discharges greater than 500-year, the probability should be stated as less than (\leq) 0.002. A plot of the 100- and 500-year scour lines on a bridge plan and profile sheet must be provided. Revised 3/16/09						

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